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Gamma Ray

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Gamma Ray is a super-fast and powerful speed boat! You can race it at speeds up to 399 feet per minute on ponds, lakes, rivers, and large pools. The boat's proportional speed and tight turn radius give you precise control.

The Gamma Ray's bilge pump automatically pumps out any water that has collected in its hull as it cruises along.

Note: The Gamma Ray is a fresh water boat only. It is not designed to be used in salt water.

FCC INFORMATION

Your boat or transmitter might cause TV or radio interference even when it is operating properly. To determine whether your boat or transmitter is causing the interference, turn off your boat and release the transmitter's control levers. If the interference goes away, your boat or transmitter is causing it. Try to eliminate the interference by:

- moving your boat and transmitter away from the TV or radio
- contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your boat.

INSTALLING BATTERIES

Warning: Dispose of old batteries promptly and properly, do not burn or bury them.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you will not be using the boat for a week or more, remove the batteries from the transmitter and the battery pack from the boat. Batteries can leak chemicals that can damage electronic parts.
- Never leave dead or weak batteries in the boat (or a dead or weak battery pack in the transmitter).

In the Transmitter

The transmitter requires six AA batteries. For the best performance and longest life, we recommend RadioShack alkaline batteries.

1. Slide the transmitter's **ON/OFF** switch to **OFF**.
2. Press down and slide off the battery compartment cover in the direction of the arrows.



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3. Place the batteries in the compartment as indicated by the polarity symbols (+ and -) marked inside.
4. Replace the cover and slide it shut.

When the transmitter's range decreases, replace its batteries.

In the Boat

Your boat requires a rechargeable 7.2-volt battery pack and a battery charger (neither supplied, available at your local RadioShack store). Before you use the battery pack, you must charge it. Follow the charger's instructions to charge the battery pack.

1. Slide **ON/OFF** on the boat to **OFF**.
2. Remove the antenna tube if necessary. Rotate the upper hull holders until they stop, then lift off the upper hull of the boat.
3. Turn the battery compartment cover's latch clockwise until it stops, then lift off the cover.
4. Put the battery pack in the compartment with its connector pointing forward on the same side as the boat's matching connector.
5. Loop the battery pack's connector back and attach it to the boat's matching connector. Do not force them! They fit together only one way.
6. Close the battery compartment cover, then turn the latch counterclockwise until it stops.
7. Thread the wire antenna through its matching hole on the upper hull, then replace the upper hull and lock the holders so they snap shut.

If the boat loses power or does not respond to the transmitter, recharge the

battery pack according to the battery charger's instructions.

To remove the battery pack, follow Steps 1-3, unplug the connector, then slide the battery pack toward its connector and lift the other side of the battery pack.

Cautions:

- Use only the recommended battery pack and charger.
- Do not charge or recharge the battery pack while it is in the boat.
- After you charge or recharge the battery pack, disconnect it from the charger. Overcharging the battery pack could damage it.
- When you disconnect the battery pack from the charger, do not pull on the connector's wires. You might damage the battery pack.
- Running your boat continuously for long periods generates high heat levels. Heat causes wear and tear on the motor. To keep heat levels down, when your boat's battery pack runs down, let the boat cool at least 10 minutes before installing a new or newly charged battery pack.
- If the boat moves slowly and you have installed fresh batteries, check the propeller for debris.
- Do not use the battery charger in wet or hot areas.

Notes:

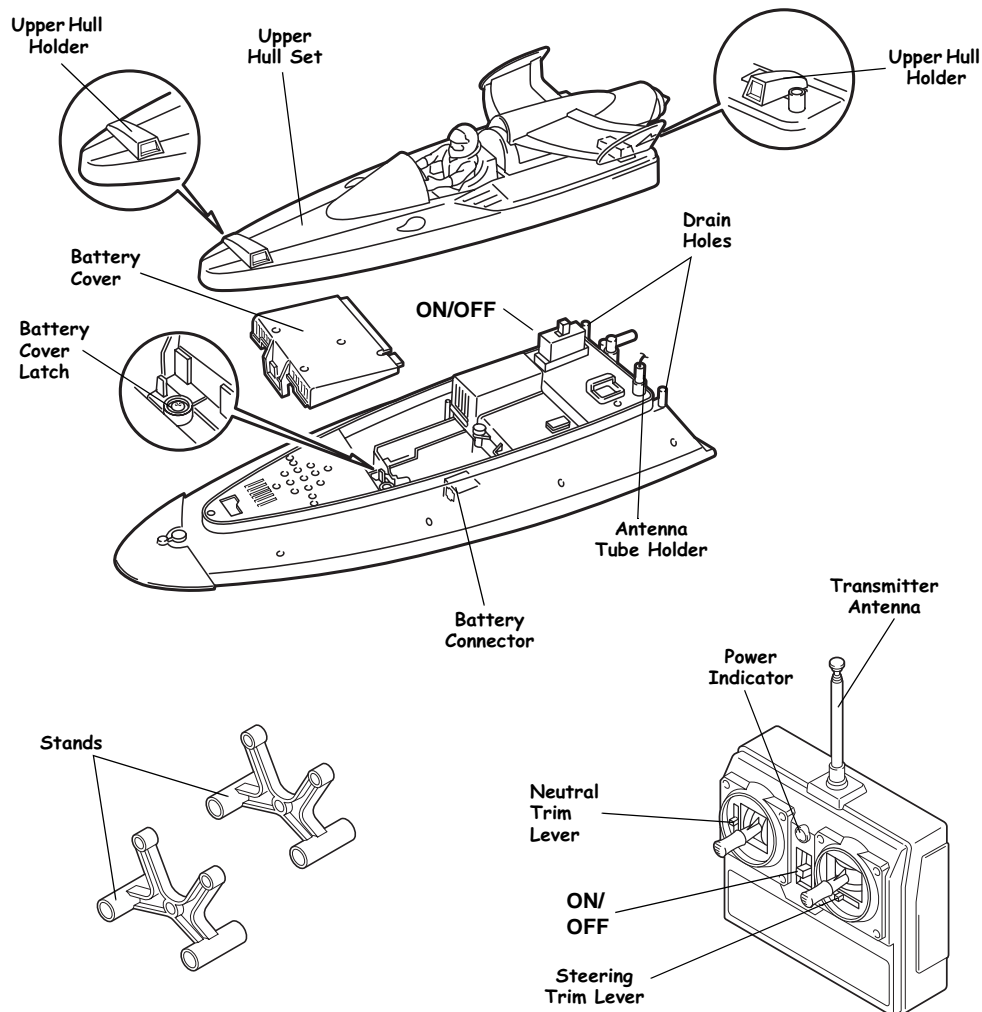
- If you want to run your boat for extended periods, we suggest you purchase an extra battery pack. You can charge one while you use the other.
- Occasionally, let the battery pack fully discharge before recharging it. Otherwise, the battery pack loses its ability to fully charge.

Important: The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing



used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.

A QUICK LOOK AT YOUR BOAT



ATTACHING THE TRANSMITTER'S ANTENNA

Thread the antenna into the transmitter's antenna connector and securely tighten it.

INSTALLING THE ANTENNA TUBE

The antenna tube holds up the boat's antenna wire for the best reception and range. Route the antenna wire's loose end through the tube. Then insert the tube securely into the boat's antenna tube holder.

DRIVING THE BOAT

Warnings:

- This boat can reach higher speeds than most radio-controlled boats. Be careful when you use the boat to avoid high-impact collisions with people and objects.
- Do not use your boat in strong currents, in salt water, or in any body of water with large waves.
- Never touch the propeller while it is spinning, and never put your fingers near the propeller when the boat's **ON/OFF** switch is turned to **ON**.
- Never play outside during thunderstorms.
- Never play with your boat in strong winds.
- When the boat goes outside the transmitter's control range, it stops. Hold the transmitter as high as possible with the antenna vertical to try to re-establish contact. If you cannot, you must move closer to the boat to control it again, but be careful not to wade into deep water or strong currents!

Cautions:

- Always turn on the transmitter first, then the boat, and turn off the boat first, then the transmitter. Otherwise, your boat might pick up other radio waves and start moving while the transmitter is off. Should this happen, immediately turn on the transmitter on to bring the boat under your control.
- Do not let the boat run aground. Keep the boat away from grass growing in the water and other debris that could cause propeller damage. These items can jam the boat's propeller and stop the boat away from the shore.
- When the batteries begin to lose power, the boat slows down. To be sure the boat can make it to shore, guide it in as soon as you notice it slowing down.

1. Extend the transmitter's antenna to its full length.
2. Slide **ON/OFF** on the transmitter to **ON**, then slide the boat's **ON/OFF** switch to **ON**.
3. Use the transmitter's control levers to drive and steer the boat.

Left Control Lever — Speed Control

- Push forward to move forward.
- Pull back to move backward.
- Release to stop.

Note: The farther you push or pull the speed control, the faster the boat goes.

Right Control Lever — Rudder Control

- Push left to turn left.
- Push right to turn right.
- Release to go straight.

Note: The right control lever only turns the boat when you are using the left control lever to move the boat forward or backward.

4. When you finish playing, slide the boat's **ON/OFF** switch to **OFF**, then slide the transmitter's **ON/OFF** switch to **OFF**.
5. Remove all batteries from the boat and transmitter. Then turn over the boat, remove the rubber stoppers from the drain holes, empty any water from the hull, and dry the boat thoroughly before you store it.

Leave the boat's upper cover and battery compartment cover open while it is in storage to allow moisture to evaporate.

Cautions:

- Do not leave your boat in the water when you finish playing. Water might seep into the hull and damage electronic parts.
- When you are not playing with the boat, place it on the supplied stand to protect the propeller from damage.

Adjusting the Trim Levers

The neutral trim lever (next to the left control lever) lets you fine-tune the speed control so the boat completely stops when you release the speed control.

The steering trim lever (next to the right control lever) lets you fine-tune the steering so the boat moves in a straight line when you set the steering control to the center position.

1. Place the boat on the display stand.
2. Slide the **ON/OFF** on the transmitter and the boat to **ON**.
3. If the propeller moves, adjust the neutral trim lever until it stops.

Caution: Do not use the neutral trim lever to make the boat continually move. It is for adjustment only.

4. If the rudder angles left or right, adjust the steering trim lever so it points straight forward.
5. When you finish the adjustments, slide **ON/OFF** on the transmitter and the boat to **OFF**.

Notes:

- You might have to further fine-tune the steering trim lever after using the boat for a while.
- If someone uses a CB nearby, it might interfere with control of the boat. If this happens, move the boat and transmitter away from the CB.
- You cannot operate the boat near devices with transmitters that use the same frequency. Check the boat's box to see which frequency your boat uses.

Racing Multiple Boats Together

The Gamma Ray and other radio-controlled boats use specific frequencies to operate. Boats with different control frequencies can race together without interference. Boats with the same frequency cannot.

The following chart shows the control frequencies for your boat. If you buy more than one boat and plan to race them, check the stickers on the boxes to make sure they have different band numbers/colors for different frequencies.

Band	Frequency (MHz)	Sticker Color
1	26.995	Brown
2	27.045	Red
3	27.095	Orange
5	27.195	Green

CARE

Never play with your boat in salt water; doing so might rust its parts. Do not expose the boat to temperature extremes. Wipe the boat clean with a dry towel after playing. Do not use chemicals on the boat as they can damage the body. Do not leave the boat or transmitter outside overnight. Dampness can damage their electronic circuits.

Modifying or tampering with the boat or transmitter's internal components can cause a malfunction, invalidate the warranty, and void your FCC authorization to operate the boat. If the boat is not performing as it should, take it to your local RadioShack store for assistance.

USER-REPLACEABLE PARTS

You can order replacement parts for your boat at your local RadioShack store. Simply identify the part(s) you need from the illustration on Page 3, then find the part number in the list.

Parts List

Description	RSU #
Upper Hull Set: Upper Hull Cockpit Steering Wheel Air Scoop Head Right Hand Left Hand Body Tapping Screw (3 × 8 (+) B Sus) (Qty 3) Tapping Screw (3 × 8 (+) B #7.5 Zu) (Qty 1) Tapping Screw (3 × 10 (+) B Sus) (Qty 1)	12333977
Battery Cover	12184677
Stands (Qty 2)	12333464
Screw Set: Hexagon Key Washer (8d × 4.1d × 0.5t) Retaining Ring Screw	12184693
Antenna Tube Set (Qty 5)	10681781
Transmitter Antenna	10537710
Transmitter (Band 1)	12333472
Transmitter (Band 2)	12333480
Transmitter (Band 3)	12333498
Transmitter (Band 5)	12333506
Transmitter Battery Lid (not shown)	11973534
Owner's Manual (not shown)	12333514
Service Manual (not shown)	12333522

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, crash, collision, impact, violent contact, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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